

10/618,412

P-6028U1-1-1-1-C1

IN THE CLAIMS

Please amend the claims as follows:

1. (CURRENTLY AMENDED) A solid golf ball comprising:

a dual core including an inner, high density, spherical center core layer and an outer core layer disposed about said spherical center core layer, wherein said spherical center core layer has a specific gravity from about 1.2 to about 12.0, a diameter from 0.20 to 0.590 inches, and a Shore C hardness from 50 to 75 and comprises a blend including a powdered metal and a first matrix material comprising an elastomeric base material, and wherein said outer core layer has a specific gravity from 0.9 to 1.2, a diameter of up to 1.60 inches and comprises a second matrix material selected from the group consisting of thermosets, thermoplastics, and combinations thereof;

an inner cover layer formed about said dual core having a thickness of about 0.010 inches to about ~~0.010~~ 0.100 inches; and

an outer cover layer disposed on said inner cover layer having a thickness of about 0.010 to about ~~0.010~~ 0.100 inches, wherein said outer cover layer has a Shore D hardness less than the Shore D hardness of the inner cover layer.

2. (ORIGINAL) A golf ball according to claim 1, wherein said elastomeric base material comprises polybutadiene, polyisoprene, or blends thereof.

3. (ORIGINAL) A golf ball according to claim 1, wherein said outer cover layer has a Shore D hardness of 57 or less.

4. (ORIGINAL) A golf ball according to claim 1, wherein said outer cover layer or said inner cover layer has a thickness of about 0.03 to about 0.06 inches.

5. (ORIGINAL) A golf ball according to claim 1, wherein said second matrix material of said outer core layer comprises polybutadiene or blends thereof.

6. (CANCELED)

10/618,412

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IN THE CLAIMS

Please amend the claims as follows:

1. (CURRENTLY AMENDED) A solid golf ball comprising:

a dual core including an inner, high density, spherical center core layer and an outer core layer disposed about said spherical center core layer, wherein said spherical center core layer has a specific gravity from about 1.2 to about 12.0, a diameter from 0.20 to 0.590 inches, and a Shore C hardness from 50 to 75 and comprises a blend including a powdered metal and a first matrix material comprising an elastomeric base material, and wherein said outer core layer has a specific gravity from 0.9 to 1.2, a diameter of up to 1.60 inches and comprises a second matrix material selected from the group consisting of thermosets, thermoplastics, and combinations thereof;

an inner cover layer formed about said dual core having a thickness of about 0.010 inches to about ~~0.010~~ 0.050 inches; and

an outer cover layer disposed on said inner cover layer having a thickness of about 0.010 to about ~~0.010~~ 0.055 inches, wherein said outer cover layer has a Shore D hardness less than the Shore D hardness of the inner cover layer.

2. (ORIGINAL) A golf ball according to claim 1, wherein said elastomeric base material comprises polybutadiene, polyisoprene, or blends thereof.

3. (ORIGINAL) A golf ball according to claim 1, wherein said outer cover layer has a Shore D hardness of 57 or less.

4. (ORIGINAL) A golf ball according to claim 1, wherein said outer cover layer or said inner cover layer has a thickness of about 0.03 to about 0.06 inches.

5. (ORIGINAL) A golf ball according to claim 1, wherein said second matrix material of said outer core layer comprises polybutadiene or blends thereof.

6. (CANCELED)

10/618,412

P-6028U1-1-1-1-C1

7. (ORIGINAL) A golf ball according to claim 1, wherein said powdered metal has a specific gravity of 2.7 or more.

8. (ORIGINAL) A golf ball according to claim 1, wherein said golf ball further comprises one or more additional core or cover layers.

9. (ORIGINAL) A golf ball according to claim 8, wherein said golf ball exhibits a coefficient of restitution of at least 0.790.

10. (ORIGINAL) A golf ball according to claim 1, wherein said golf ball exhibits a NesFactor of .880 or more.

11. (ORIGINAL) A golf ball according to claim 1, wherein said golf ball exhibits a moment of inertia of less than 0.44 oz.in².

12. (ORIGINAL) A golf ball according to claim 1, wherein said powdered metal constitutes at least 50% by weight of said spherical center.

13. (PREVIOUSLY PRESENTED) A golf ball according to claim 1, wherein said powdered metal comprises a mixture of tungsten powder and iron powder.

14. (CANCELED)

10/618,412

P-6028U1-1-1-1-C1

15. (PREVIOUSLY PRESENTED) A solid golf ball comprising:

a dual core including an inner, high density, spherical center core layer and an outer core layer disposed about said spherical center core layer, wherein said spherical center core layer has a specific gravity from 2.0 to 20, and a Shore C hardness of 50 to 75, and comprises a blend including a powdered metal and a first matrix material comprising an elastomeric base material and wherein said outer core layer comprises a second matrix material selected from the group consisting of thermosets, thermoplastics, and combinations thereof, wherein said outer core layer has a specific gravity from 0.9 to 1.2 and a diameter of up to 1.60 inches;

an inner cover layer formed about said dual core having a thickness of about 0.010 inches to about 0.050 inches and a Shore D hardness of 58 or more, and wherein said inner cover layer is formed from at least one ionomer resin; and

an outer cover layer disposed on said inner cover layer having a thickness of about 0.010 to about 0.055 inches and a Shore D hardness of 57 or less; and wherein said outer cover layer is formed of at least one ionomer resin or polyurethane material.

16. (ORIGINAL) A golf ball according to claim 15, wherein said elastomeric base material comprises polybutadiene, polyisoprene, or blends thereof.

17. (ORIGINAL) A golf ball according to claim 15, wherein said first matrix material of said spherical center core layer comprises about 50 weight percent polybutadiene and about 50 weight percent polyisoprene.

18. (ORIGINAL) A golf ball according to claim 15, wherein said powdered metal comprises tungsten powder.

19. (ORIGINAL) A golf ball according to claim 15, wherein said second matrix material of said outer core layer comprises polybutadiene, polyisoprene, or blends thereof.

10/618,412

P-6028U1-1-1-1-C1

20. (ORIGINAL) A golf ball according to claim 15, wherein said spherical center has a diameter of from about 0.200 inches to about 0.830 inches.

21. (ORIGINAL) A golf ball according to claim 15, wherein said spherical center exhibits a specific gravity of 5 to 12.

22. (ORIGINAL) A golf ball according to claim 15, wherein the difference between the specific gravity of said spherical center and said outer core layer is greater than 2.0.

23. (ORIGINAL) A golf ball according to claim 15, wherein said golf ball exhibits a moment of inertia of less than 0.44 oz.in².

24. (ORIGINAL) A golf ball according to claim 15, wherein said outer cover layer has a Shore D hardness of from about 40 to about 55.